

Date: Mon, 8 Mar 93 14:13:05 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #291
To: Info-Hams

Info-Hams Digest Mon, 8 Mar 93 Volume 93 : Issue 291

Today's Topics:

[QUESTION] Free Internet access for Ham Radio Operators?
 Amplifier Tuning
 A pair of coax <-> ladder line ???
 Encoding Greetings
FREE INTERNET ACCESS TO HAM NEWSGROUPS
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How does one tune helical resonators?
 How to use Mir via packet?
 Icom 737
Japanese CB equipment for 903Mhz?
 Kenwood TH21AT problem - help?
looking for ftp site for latest ARESDATA
Old Motorola Repeater - Need help & Docs
 Periphex
 Periphex (and rubber radios)
TV CHANNELS/East Coast Update
 VLF Receiver
WANTED: E-Mail access in or near Bloominton, IL

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 08 Mar 93 18:33:15 GMT
From: dog.ee.lbl.gov!newshub.nosc.mil!nosc!crash!slic!news@network.UCSD.EDU
Subject: [QUESTION] Free Internet access for Ham Radio Operators?
To: info-hams@ucsd.edu

In article <1993Mar7.061549.19585@ariel.ec.usf.edu> frank@egg0.csee.usf.edu writes:

> My uncle heard a rumor that Ham Radio Operators can get free access to the
> Internet somehow. He didn't have any more details than that but he asked me
> check around for him. I guess it would have to be some kind of network where
> he could dial up and then connect from there. This was access via modem that
> he was talking about, not packet radio.

Nor do I, but I'd say that depending on where he's located
(unless long-distance is not an issue), he could get at least
E-Mail and news access via a lowly uucp site. Like mine in San
Diego...

--

Mike, San Diego, CA USA PGP V2.1 Public Key Available
mikey@slic.cts.com GEnie: SLIC Ham: WB6WUI

Date: 8 Mar 1993 18:48:11 GMT
From: noc.near.net!news.bbn.com!bbn.com!levin@uunet.uu.net
Subject: Amplifier Tuning
To: info-hams@ucsd.edu

alanb@hpnmrla.sr.hp.com (Alan Bloom) writes:

|In rec.radio.amateur.misc, lwwald@lims01.lerc.nasa.gov (LARRY WALD) writes:
|>on 80 and 40 I can't get the "Load" capacitor to peak the power output. It
|>loads such that I have the setting at one end of the capacitors travel. I
|>have talked to another friend of mine who had the same trouble with his SB-
|>200. On 80 and 40 I am getting about 550-575 watts out with 100 watts in,
|>which is low for this amp. The tubes are new, BTW. Any suggestions??

|On the lower-frequency bands the loading control has limited range.
|If the antenna SWR is not low enough, you may not be able to tune up
|for optimum power output.

I had this problem once with my FT-101EE. It was a new problem, and I observed it using a dummy load (as well as with the (tuned) antenna). The needle rose as I turned the loading control to the right; maximum reading was at the end of the scale (where it used to be near the low end). The radio otherwise seemed to work ok.

I opened it up to wiggle the tubes in their sockets and generally make sure everything looked OK. There was a lot of dust inside, so I said "aha!" and blew through the capacitors. After cleaning massive amounts of dust out of my eyes I put it back together and the radio

worked normally from then on.

Look everything over and clean it out if nececessary.

/JBL

=
Nets: levin@bbn.com | "Earn more sessions by sleeving."
pots: (617)873-3463 |
N1MNF/AA | -- Roxanne Kowalski

Date: 8 Mar 93 13:07:39 CST

From: sdd.hp.com!zaphod.mps.ohio-state.edu!cs.utexas.edu!hermes.chpc.utexas.edu!
utxvms.cc.utexas.edu!kip@network.UCSD.EDU
Subject: A pair of coax <-> ladder line ???
To: info-hams@ucsd.edu

I was once told that I can get the same efficiency benefits of open-wire line by using a pair of coaxial cables, shorting the shields together at both ends, and using the two center conductors as the actual antenna leads. My source told me that this was not only as efficient as ladder line but also gave most of the shielding benefits of coax, and that I could bury the cables or in general just not worry about what they ran close to the way I would with ladder line.

Is this true? Can I really hook such an arrangement up to a random length vertical and a ground plane, put a transmatch in my shack, and get good performance?

Please send your opinions to KIP@utxvms.cc.utexas.edu; I'll summarize and post your replies.

Thanks,
Kip Ingram
N5RYK

Date: Mon, 8 Mar 1993 11:43:09 GMT
From: ghost.dsi.unimi.it!cdc486.cdc.polimi.it!paolo@tcgould.tn.cornell.edu
Subject: Encoding Greetings
To: info-hams@ucsd.edu

Hi all,
is there anyone who knows the complete list of the code number...
i.e.
73 = Greetings

88 = Kisses
....
and so on (i know only those...)

Thanx in advance Paolo (& 73 of course :-)

--
Paolo Amodeo, Technical University of Milan
Electronic Engineering Department ##### - - #####
o o

Date: 8 Mar 93 13:16:20 +1700

From: swrinde!zaphod.mps.ohio-state.edu!cs.utexas.edu!newsfeed.rice.edu!
lub001.lamar.edu!lairdpg@network.UCSD.EDU
Subject: FREE INTERNET ACCESS TO HAM NEWSGROUPS
To: info-hams@ucsd.edu

Due to several folks asking about free internet access, I feel it is in order
make a mention:

The HAM Connection (409)833-1795 upto 14.4k Baud connection has the following
Internet newsgroups available:

REC.RADIO.AMATEUR.MISC
REC.RADIO.AMATEUR.PACKET
REC.RADIO.AMATEUR.POLICY
REC.RADIO.SHORTWAVE
REC.RADIO.SCANNER
REC.RADIO.SWAP
SCI.ELECTRONICS
SCI.SPACE.NEWS
SCI.SPACE.SHUTTLE

There are plenty of other newsgroups as well. Free access to all Hams and those
interested in the amateur radio hobby.

Date: Mon, 8 Mar 1993 20:41:15 GMT
From: orca!javelin.sim.es.com!datwyler@uunet.uu.net
Subject: Hallicrafters S-40B radio manual
To: info-hams@ucsd.edu

Does anyone have a copy of the manual for a Hallicrafters S-40B? If so,
please contact me about copying me a set.

TNX,

Doug
datwyler@javelin.sim.es.com

--
Douglas L. Datwyler, WR70
Evans & Sutherland Computer Corp.
datwyler@javelin.sim.es.com

Date: Mon, 8 Mar 1993 21:00:33 GMT
From: usc!howland.reston.ans.net!gatech!willis1.cis.uab.edu!uabdpo.dpo.uab.edu!
gila005@network.UCSD.EDU
Subject: How does one tune helical resonators?
To: info-hams@ucsd.edu

I have an old Icom 22-S transceiver. It is frequency synthesized, but uses a diode matrix to set the channels. It is also tuned for 146-148. I am changing the reference crystal to get 10kHz steps and plan on using it in the 145-147 portion of the 2m band. I was told that I would have to retune the helical resonators in the unit. I do not know where to look for information on properly tuning these things. I presume it takes more than fiddling with the cores while listening to the output! What equipment will I need? How do I do it? Do I need to do it? Is there a reference on this sort of subject somewhere? Are there other adjustments I might have to make in the radio to accomidate the new frequnecy?

Thanks for your help. Thanks also to those that have made previous suggestions on modification of this rig. I have also designed a board that allows the use of duplex with 600kHz offsets so it can be used on repeaters as well as packet. If this all works I'll post instructions for the board.

Steve Holland, KD4TTC gila005@uabdpo.dpo.uab.edu

Date: 8 Mar 93 19:34:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: How to use Mir via packet?
To: info-hams@ucsd.edu

Last night I had my receiver on the MIR frequency, and all of a sudden I heard a lot of activity. I checked, and sure enough, it was R2MIR-1. I had monitored MIR before, but had never tried to connect, but this time

I decided to give it a try. After only 2 or 3 tries, I was able to connect! Problem was, however, I had no idea of what to do once I was connected. I assumed it was a PBBS or mailbox of some sort, so I tried to get a command list by sending a "?", but before it had a chance to come back with anything, it was gone. Anyway, the questions are: How does the packet mailbox on MIR work? Does it have a node on board, or can you digipeat through it? Can you ever talk to the Cosmonauts via packet? Do they know English? I know I've seen answers to some of these questions either here, or on the amsat-bb, but I guess I wasn't paying attention, since I didn't think I had enough power to hit MIR (25W), and was only using a J-POLE antenna.

Thanks in advance for any and all advice, I'd hate to miss a chance like this again.

Date: Mon, 8 Mar 1993 21:32:17 GMT
From: usc!howland.reston.ans.net!zaphod.mps.ohio-state.edu!malgudi.oar.net!
news.yzu.edu!yfn.yzu.edu!ag821@network.UCSD.EDU
Subject: Icom 737
To: info-hams@ucsd.edu

In a previous article, bill.nadzam@pcs.sj.ca.us (Bill Nadzam) says:

>
> Hello again Jeff, The new Icom 737 is a nice rig. HRO in
>sunnyvale has them for \$1200 and I would say that is about
>right. The only thing I didn't like about it was the fact
>that the Noise Blamker is on or off. Ok it doesn't sound
>like much but this can be a real problem. Have you ever
>had the noise blunker on " Full Bore" on 40 meters? The
>curcuit will go nuts at night with all those strong
>broadcast signals. Other then that the size is a bit larger
>then I thought it would be. All in all I think it would make
>a real nice first choice. I like the dual antenna support, a
>real nice feature. I grabbed a ICOM sheet from HRO that gives
>a feature comparison between the Kenwood TS-450SAT, the Yaesu
>FT-890wAT, and a couple others and it would make good reading
>for you too if your looking at one of these. I would buy a
>used, clean, 440 or a 940 though. But that is my personal choice.
>Then again if ICOM is your thing Find a clean IC-735 add the IRC
>filters to it, the CW filters, and maybe the optional keyer
>and you go a great rig in a small box. If you need the internal
>Auto-Tuner then you'll have to keep looking.
>---
> . EZ 1.37 . 73 de Bill K8WN_
>
>

Bill,

Thanks for the reply. I had a couple of real clean used 440s lined up with auto antenna tuners. Our club has a 440sat and decided to work the DX contest with it for a while this weekend. We had to put both a SSB and a CW filter in it because it was useless in a contest without the filters. During Field day we ended up borrowing a 530sp with filters because the 440 was unusable. The 440 is ok under some conditions, don't get me wrong. The audio out seems real good and it has the tuner and all the memories (the tuner is slow compared even with the 450). I went home and got on my Yaesu 757 (no SSB filter) and found the Yaesu much more to my liking on the receiver end.

I think I am looking for a step above the 440s.. would just keep my 757 rather than get the 440 at this point.. I have a Daiwa autotuner hooked to it.

I haven't used a 940, but heard they are excellent. Don't know if the tuners in them are any good compared with the newer stuff.

I have heard real good stuff about the 890, but I am looking more at the 990, 737 and the 850. I am going to get my DSP kit this week .. so the noise filtering problems may be a thing of the past anyway...

Its really hard for me to make a decision after saving for so long and not being able to use the rigs. I would love to be able to put them side by side and use them during a big contest.

73s

Jeff, AC4HF

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: 8 Mar 93 21:50:38 GMT
From: news-mail-gateway@ucsd.edu
Subject: Japanese CB equipment for 903Mhz?
To: info-hams@ucsd.edu

Date: Mon, 8 Mar 1993 16:07:26 GMT
From: swrinde!zaphod.mps.ohio-state.edu!ncar!csn!cherokee!da_vinci!
lookout.it.uswc.uswest.com!dfeldman@network.UCSD.EDU
Subject: Kenwood TH21AT problem - help?
To: info-hams@ucsd.edu

My elderly TH21AT HT (circa 1983) now receives 10 kHz lower than it transmits regardless of control settings. I don't have a manual (would someone spare a copy?) Any ideas? Do I have a new paperweight?

Thanx - Dave - WB0GAZ

Date: 8 Mar 93 19:30:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: looking for ftp site for latest ARESDATA
To: info-hams@ucsd.edu

Date sent: 8-MAR-1993 14:29:25

Does anyone know where I can find the latest version of ARESDATA ?

thankyou.
..Darrell

Darrell G. Leavitt
SUNY Empire State College (ESC) ESC VAX: DLEAVITT
403 Sibley Hall SUNYNET: SESCVVA::DLEAVITT
Plattsburgh, New York, USA, 12901 INTERNET: LEAVITDG@SPLAVA.CC.PLATTSBURGH.EDU
PHONE : (518) 564-2837 AX25/AMATEUR
BitNet : LEAVITDG@SNYPLAVA PACKET: N2IXL @ KD2AJ.#NENY.NY.USA.NA
Latitude: 44 41 58 N Longitude: 73 27 12 W

Date: Mon, 8 Mar 1993 15:28:38 GMT
From: ftpbox!mothost!lmpsbbbs!johng@uunet.uu.net
Subject: Old Motorola Repeater - Need help & Docs
To: info-hams@ucsd.edu

In article <1993Mar5.174251.13695@gallant.apple.com> Will Collier
<COLLIER@gallant.apple.com> writes:

>
>I've managed to get my hands on an old Motorola repeater, model
>KS:19618L1, Trans Type: CC3034C. This unit was made by Motorola for
>Western Electric and used by the Bell System here in Austin, TX for many
>years. Currently it is set up for operation on 152.690 TX and 157.95 RX.

The part number for the manual listed in the Bill of materials for this station is 68-81058A60. As you might have suspected the station is no longer manufactured, but copies of the manual are in stock with the Motorola parts division. Price of the manual is \$7.58. Call parts at 800-422-4210. The model was first manufactured in 1970 and was discontinued in 1980.

-

John Gilbert johng@ecs.comm.mot.com

Date: Mon, 8 Mar 1993 19:01:53 GMT
From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!
newsserver.jvnc.net!stevens-tech.edu!vaxc.stevens-tech.edu!
u95_dgold@network.UCSD.EDU
Subject: Peripherx
To: info-hams@ucsd.edu

In article <C3KE0M.KnM@hpqmoea.sqf.hp.com>, dstock@hpqmoca.sqf.hp.com (David Stockton) writes:

> If someone made a super rugged battery with metal rails, wouldn't
> this just mean that you have to replace the transceiver case after
> dropping it ?
>
> The best comment so far has to be for an easily and cheaply repaired
> battery case, designed to fracture and protect the more expensive radio...

Maybe if you knew what you were talking about, you'd realize that the thin battery rails are the weak link, not the radio rails which are partially made out of metal.

Dave
N2MXX

Date: Mon, 8 Mar 1993 20:51:44 GMT
From: nntp.telebit.com!phr@uunet.uu.net
Subject: Periphex (and rubber radios)
To: info-hams@ucsd.edu

In article <C3Kt5o.3H2@constellation.ecn.uoknor.edu> jahern@geohub.gcn.uoknor.edu (Jud Ahern) writes:

If the battery had metal rails, and the radio still had plastic guides, the _radio_ would be the thing to break in a fall. I'd rather have the [cheaper] battery break.

If either the radio or the battery breaks after falling 6 inches, something is terribly wrong with the engineering and/or manufacturer, no matter what the materials are. It astonishes me that the IC-24 is this fragile but I guess I have to take people's word for it. I'm glad I didn't buy one.

Along those lines, that may be the trouble with wrapping some rubber around the radio and/or pack: It might make the rig look more "ruggedized" than it really is. The rubber might help the case survive, and reduce the g's felt by the internal components a little bit, but are the internals really going to stand up to the abuse?

The IC-215 had a rubber surround that protected the radio from some shocks. The one I had many years ago took a considerable number of falls of much more than 6 inches and kept working fine.

Date: 8 Mar 1993 17:50:49 GMT
From: usc!howland.reston.ans.net!gatech!concert!lester.appstate.edu!
lester.appstate.edu!usenet@network.UCSD.EDU
Subject: TV CHANNELS/East Coast Update
To: info-hams@ucsd.edu

In <RBOLT-080393092857@128.183.16.116> RBOLT@postman.gsfc.nasa.gov writes:

> Likely last up date unless we get south.....

HERE IS SOME ADDITIONAL DATA:

> CH2 Boston
> Baltimore
> NY City
> Pittsburg, PA (CBS)

ALSO GREENSBORO NC WFMY-TV CBS 2000' TOWER
SNEEDVILLE, TN PBS

> CH3 Philadelphia
> Hartford

ALSO CHARLOTTE, NC WBTV CBS 2000' TOWER

>
> CH4 DC
> NY City
> Boston
> Pittsburg, PA(ABC)

CHAPEL HILL, NC WUNC-TV PBS
GREENVILLE, SC WFBC-TV NBC

> CH5 DC
> NY City
> Boston

ALSO RALEIGH, NC - WRAL-TV CBS 2000' TOWER
JOHNSON CITY, TN NBC

> CH6 Richmond, Va.
> Philadelphia
> Providence, RI
> Albany, NY

> CH7 DC
> NY City
> Boston
> CH8 Hammonton, NJ-WOOC
> Lancaster, PA-WGAL

ALSO HIGH POINT, NC WGHP-TV - ABC 1800' TOWER

CH9 DC
> NY City

ALSO CHARLOTTE, NC WSOC-TV ABC

> CH10 Philadelphia
> Providence, RI
> Albany, NY

> CH11 Baltimore
> NY City
> Pittsburg, PA(NBC)

ALSO DURHAM NC WTVD - ABC 2000' TOWER

> CH12 Philadelphia

> Providence, RI
ALSO WINSTON-SALEM, NC WXII-TV NBC

> CH13 Baltimore
> NY City
> Albany, NY
> Pittsburgh, PA(PBS)
ALSO ASHEVILLE, NC WLOS-TV

> CH14 NO longer Worcester, Ma. (GONE)
> CH15 Lancaster, PA
> CH16 Salisbury
> Pittsburgh, PA(PBS)
> CH17 Philadelphia
> CH18 Seen ? 7/20/91 Location unk

CHARLOTTE, NC WCCB-TV IND

> CH19 NY?
> North Adams, Ma (Western Mass)
> Ch20 DC
> Springfield, Ma??
> Scranton/Wilkesburry area?
> CH21 NY City
> CH22 Annapolis, Md. (PBS)
> Pittsburgh, PA(Independent)
> CH23 NJ
> CH24 MD/DC (Home Shopping Network)
> Hartford, Conn
> CH25 NY City
> Boston WFXT
> CH26 DC (PBS)
> CH27 Worcester, MA WHLL (Spanish Prog. in eve.)
> CH28 Salisbury, Md. (PBS)

RALEIGH-DURHAM-CHAPEL HILL, WRDU (?) NBC 2000' TOWER

> CH29 NJ/Del
> CH30 Hartford
> CH31 Hagerstown, Md. (PBS)
> NY City
> CH32 DC, Howard Univ. (PBS)
> CH33
> CH34
> CH35 Philadelphia-Independent/PBS-WYBE

> CH36 Oakland, MD (PBS)
> Providence, RI WSBE PBS

CHARLOTTE, NC WCNC-TV NBC

> CH37
> CH38 Boston WSBK
>
> CH39 Allentown, PA-WLVT(PBS)
> CH40 Springfield, MA
> Atlantic City/Wildwood, NJ-WCMC?
> Pittsburgh, PA(Religious)
> CH41 NY City
> CH42 York?
> CH43
> CH44 Boston WGBX PBS
> CH45 Baltimore
WINSTON-SALEM, NC INDEPENDENT

> CH46

GASTONIA, NC INDEPENDENT 2000' TOWER

> CH47 Harrisburg, PA?
> NY City
> CH48 VA/DC Spanish
> Philadelphia/Burlington, NJ(on air agn since last fall) -WGTW
> CH49
> CH50 DC/VA
> North NJ (part of NJN)-WNJM
> Derry, Nh (low pwr)
> CH51
> CH52 NJ
> CH53 DC/VA
> NY City (lptv)
> Norwich, Ct. (pbs)
> Pittsburgh, PA(FOX)
> CH54 Baltimore?
> CH55 Boston
> CH56 VA/DC
> Boston WLVI
> CH57 DC/MD/VA???
> Springfield, Ma
> Philadelphia<PA-WGBS
> CH58 NJ

UNC PUBLIC TV WUNG-TV 2000' TOWER PBS

> CH59
> CH60 Merrimack, Nh (low pwr)
> CH61 Hartford, Conn
> Philadelphia/Wilmington, DE-WTGI
> CH62 Fredrick, Md. (PBS)
> CH63
> CH64 Providence, RI
> CH65
> CH66 DC/VA/MD
> Boston 9 Marlborough, Ma WHSH Home Shopping Network
> CH67 Baltimore, Md. (PBS)
> CH68 NY City
> Boston WQTV
> CH69 Allentown, PA area north of Allentown?

Date: 7 Mar 93 18:12:00 GMT
From: usc!wupost!gumby!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!
alberta!adec23!ersys!freddy!shaun.merrigan@network.UCSD.EDU
Subject: VLF Receiver
To: info-hams@ucsd.edu

.....
To:all

Does anyone have any information about the VLF receiver with the
military designation AN/SRR-19B? I would be interested in everything
from full specifications to user/owner comments. Reply via e-mail and
I'll post a summary. Thanks

shaun.merrigan@freddy.ersys.edmonton.ab.ca

Shaun P. Merrigan

. DeLuxe./386 1.25 #974sa .

Date: Mon, 08 Mar 93 18:26:01 GMT
From: dog.ee.lbl.gov!newshub.nosc.mil!nosc!crash!slic!news@network.UCSD.EDU
Subject: WANTED: E-Mail access in or near Bloomington, IL
To: info-hams@ucsd.edu

I'm looking for a system which will allow e-mail access for a Ham
located in the area of Bloomingdale, IL. A Waffle BBS or similar

would be fine.

I'm making this inquiry on behalf of another Ham who has an account at MCIMAIL only.

Thanks in advance and replies are set to poster.

...Mike, WB6WUI, San Diego

--
Mike, San Diego, CA USA PGP V2.1 Public Key Available
mikey@slic.cts.com GEnie: SLIC Ham: WB6WUI

Date: (null)
From: (null)
--- in Japan

Japan has 3 radio bands that do not require licenses. Two of them are limited to extremely short-range use because of low power limits. The other, with maximum power output of 5 watts, is more like CB as it is known in North America, Europe and Australia.

| frequencies (MHz) | modulation | description |
|-------------------|-------------|---|
| 26.968 - 27.144 | AM (no SSB) | "Citizen's Radio" maximum power 0.5W channels 1-8 on 26.968, 26.967, 27.040, 27.080, 27.088, 27.112, 27.120, and 27.144. Other channels in between these are assigned to fishing vessels (with 1W max power). |
| 422.200 - 422.300 | FM | "Specific Low Power Radio", also known as "UHF CB" maximum power 0.01W (10mW) 9 channels with 12.5 kHz spacing. newly-authorized in 1989, mostly used for handy-talkies and ski patrols |
| 903.0125-904.9875 | FM | "Personal Radio" maximum power 5W 158 channels with 12.5 kHz spacing External antennas are permitted. Radios must be equipped with a control ROM for automatic ID. |

I say:

Any one see the last variety? How much do they cost in Japan?

Kevin Purcell N7WIM / G8UDP
a-kevinp@microsoft.com
"We conjure the spirits of the computer with our spells"

End of Info-Hams Digest V93 #291
